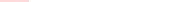




... fur-11M9 4.0 bits

...  cat fur-11M9 7.0 bits

... fur-24M9 0.6 bits

...  **t** **cat** fur-24M9 3.2 bits

...  fur-11M9 7.0 bits

... **taat** a\_a\_a\_t fur-11M9 4.0 bits

... - t at à -- fur-24M9 3.2 bits

...  taat a a a t fur-24M9 0.6 bits

-----1 exhibt Eur consensus marked on Eick-Helmerich/Braun

aatga aa ta tatca t fur-11M9 17.5 bits

~~aatga~~ aa  a tatca t fur-24M9 18.9 bits

- 3 -

piece 2, exBD, exBD, config: linear, direction: +, begin: 1, end: 107

The figure displays three sequence alignments of the *exbD* promoter region, each with a corresponding Fur consensus motif diagram below it.

**Top Alignment:**

- Sequence: 5' g c t a a a t c g c t g c c a c g a g g c c g a t t g c c g t t g c t a a c 3'
- Annotations: \*10, \*20, \*30, \*40, \*50, \*60, \*70, \*80, \*90, \*100, \*.
- Notes: (...) odd56.exbD, [-] exbD Natural sequence, [-----] exbD Fur consensus marked on Eick-Helmerich/Braun figure.
- Fur Consensus:** The motif is shown as a sequence of colored boxes: C (black), G (cyan), A (green), T (red), C (black), G (cyan), A (green), T (red), G (cyan), C (black), T (red), C (black), G (cyan), A (green), T (red), C (black), G (cyan), T (red), T (red). A pink box highlights the sequence "att". Labels include "a ga", "att", "C tt", "fur-11M9 -5.0 bits", "[---] exbD Fur consensus marked", and "[---] Published Fur consensus ap".

**Middle Alignment:**

- Sequence: 5' a g a g c t t c t g c g a c g c g a a g c g t c g c a g a a g c t c t g t t 3'
- Annotations: \*40, \*50, \*60, \*70, \*.
- Notes: (...) odd56.exbD, [-] exbD Natural sequence, [-----] hairpin, [-----] exbD Natural sequence.
- Fur Consensus:** The motif is shown as a sequence of colored boxes: A (black), G (cyan), A (green), G (cyan), C (black), T (red), C (black), T (red), G (cyan), C (black), G (cyan), A (green), A (green), G (cyan), C (black), T (red), C (black), T (red), G (cyan), T (red), T (red). A pink box highlights the sequence "att". Labels include "a ga", "att", "C tt", "fur-11M9 -5.0 bits", "[---] exbD Fur consensus marked on Eick-Helmerich/Braun figure", and "[---] hairpin".

**Bottom Alignment:**

- Sequence: 5' a g c a a a c g g c a a t c g g c c t c g t g g c a g c g a t t 3'
- Annotations: \*80, \*90, \*100, \*.
- Notes: (...) odd56.exbD 74.5 bits, [-] exbD Fur consensus marked on Eick-Helmerich/Braun figure, [-----] exbD Natural sequence.
- Fur Consensus:** The motif is shown as a sequence of colored boxes: A (black), G (cyan), A (green), A (green), C (black), G (cyan), G (cyan), C (black), A (green), A (green), T (red), C (black), G (cyan), C (black), T (red), C (black), G (cyan), T (red), T (red). A pink box highlights the sequence "aat". Labels include "aa g", "aat", "tc t", "fur-11M9 -5.0 bits", "[---] exbD Fur consensus marked on Eick-Helmerich/Braun figure", and "[---] exbD Natural sequence".